

## M. I. T. CREW NOT TO BE IN REGATTA AT POUGHKEEPSIE

**Technology Forced to Decline  
Opportunity to Row on  
The Hudson**

### DUE TO LACK OF FUNDS

**Second Invitation to Intercol-  
legiate Races Has Been  
Refused**

In a letter recently received by the Athletic Association from the Intercollegiate Rowing Association, Technology was extended an invitation to enter crews in the annual crew regatta which will be held this year at Poughkeepsie on Monday, June 28, 1926. In this regatta there will be, as usual, three races. First, the freshman race of two miles; second, the Junior Varsity race of three miles; and finally, the Varsity race over a four mile course.

Upon the advice of the Advisory Council on Athletics, however, R. M. Bigelow '27, manager of crew, declined the invitation because the small amount of money which the Athletic Association receives would not permit him to enter even one crew in this national race. Bigelow says in his reply to the invitation that "at present we are handicapped by a lack of funds which, unless something unforeseen happens will make it impossible for us to enter a crew in any of the events."

This is the second time that Technology has been extended an invitation to enter crews in the annual Poughkeepsie Regatta and so far no crew has been entered from the Institute. This race on the Hudson is one of considerable importance in rowing circles as most of the strong rowing colleges in this country send competing crews. The field at the regatta will probably consist of representatives from Cornell, Syracuse, Princeton, Navy and Washington.

### PRACTISE FOR TUFTS DEBATE OPEN TO ALL

D. M. Fuller, debating coach at Technology, announces that the two practice debates which the Varsity and freshman teams will hold Wednesday and Thursday will be open to all interested.

Wednesday's debate will be for the purpose of practising for the meet with Tufts Friday evening, and will be held in room 2-190 at three o'clock. The regular Varsity team will uphold the negative of the question, "Resolved, that the United States should enter the League of Nations." The affirmative team in the practice meet will be made up of other members of the Debating Society.

### DR. CHAPIN GIVES SEDGWICK LECTURE

"Probable Changes in Type of Contagious Diseases" was the subject of a talk delivered by Dr. C. V. Chapin, Superintendent of Public Health of Providence, Rhode Island, at the Sedgwick Memorial Lecture in Huntington Hall on Friday evening.

Dr. Chapin spoke of the changes in type of many diseases in different parts of the world and attributes this change to a probable evolution or change in the germs themselves.

### Snow Is Costly To Institute

Fifteen hundred dollars was spent in the last week and a half for the removal of snow from the walks and roadways about the Institute, according to figures given out from the Building Superintendent's office. The first storm, which resulted in a snowfall of about fifteen inches, cost the Institute about a thousand dollars. Fifty men were employed at that time to shovel snow, among whom were a dozen dorm men.

The second storm resulted in a fall of only eight or nine inches of snow, thus necessitating an expenditure of but five hundred dollars for removal. Thirty men were employed on this occasion.

### Sports Summary For the Week-end

VARSITY			
Hockey	Bates, 5	M. I. T., 4	Bowdoin, 3
Basketball	Northeastern, 25	M. I. T., 20	
Swimming	Williams, 36	M. I. T., 26	
Wrestling	M. I. T., 28	Norwich, 3	
Boxing	Colgate, 6	M. I. T., 0	
Gym	Navy, 51	M. I. T., 3	
Fencing	M. I. T., 9	Bowdoin, 4	
FRESHMEN			
Basketball	Boston Boy's Club, 48	M. I. T., 20	
Wrestling	Andover, 22	M. I. T., 0	
Swimming	Worcester Academy, 51	M. I. T., 20	

## TECHNIQUE OPENS SIGNUP CAMPAIGN

**Those Who Sign up This Week  
Obtain Year Book at  
Reduced Price**

Technique opens its annual signup campaign for the yearbook this morning with a stand established in the main lobby and free lance solicitors distributed about the Institute enable every student to obtain a copy of the year book. The anonymous red and white posters which have been placed on the Institute bulletin boards for the past two weeks have been a part of the present campaign.

By signing up this week, students save one dollar of the total cost of Technique. Signups cost one dollar if secured this week and may be redeemed at some time during the latter part of March for three dollars, making the total cost of the book four dollars. This is a saving of fifty cents over the cost of last year's Technique which sold for \$4.50.

No Extra Copies To Be Printed  
Signups after this week will cost two dollars and will be redeemed for three dollars, making the total cost five dollars. Only enough books will be ordered from the printers to cover the signups, in order to eliminate the loss on unsold books.

An exhibit has been arranged by the publicity department of Technique in the window of the Co-op and includes copies of the year book from 1890 up to the present day. The display will also consist of art work and engravings and will last throughout this week.

Work on the book is progressing rapidly, most of the Seniors having returned their proofs for the portfolio, and with two thirds of the advertising space already sold. Jahn and Ollier of Chicago, a firm which has developed a new process of cut engraving by the use of acetone, will do the engraving of the book. The printing will be done by the Andover Press.

## Wesleyan Wins Intercollegiate Glee Clubs Contest—Bowdoin Is Second

**Winner Is Eligible To Enter  
National Meet In New  
York In March**

First honors in the Intercollegiate Club Contest went to Wesleyan in the competition among eight New England Colleges held last Saturday evening in Jordan Hall. Honorable mention was given to Bowdoin College. As a result of this contest Wesleyan received the Silver Loving Cup and will be the representative to attend the national contest in New York on March 6.

Three songs were rendered by each of the participating clubs. In the first group the Technology club sang Reichardt's "In the Time of Roses," Wesleyan rendered "Morning in the Dewey Wood," by Hegar, and Bowdoin sang a Suabian Folk Song by Brahms.

For the second group each of the clubs had to render its interpretation of Horatio Parker's prize song, "Lamp in the West," while the third group was composed of college songs: "Take Me Back to Tech," sung by the Tech-

## WILL HOLD OPEN HOUSE SATURDAY OF JUNIOR WEEK

**Friends and Relatives Visiting  
Boston Will Have Chance  
To Inspect Institute**

### TO REDUCE ATTENDANCE

Tentative plans of the committee in charge call for holding Open House Night this year on April 17, the Saturday beginning Junior Week. In the past few years it has been held before Junior Week.

The committee thinks that holding it during the spring recess will prove an advantage by enabling the attendance of friends and relatives of Technology students who are in Boston for the week's activities. The attendance last year was conservatively estimated at six thousand, but it is intended to reduce the number this year, and limit the number of the merely curious.

Invitations will be sent out to men prominent in public life, men interested in engineering and science, business firms, high schools, and preparatory schools. As in previous years students will act as guides, but there will probably be a different system used in handling the crowds. More funds have been allowed this year by the various professional societies. It is intended to round out the program with music, and several undergraduate activities will participate.

The chairman of the committee is W. H. Emerson '26. In charge of the committee on receptions is D. H. McCulloch '26, program committee, E. F. Knight '26; publicity, A. D. Green '26. Other members are William Meehan '26, R. E. Connett '26, L. B. Riley '26, J. O. Collins '27, H. B. Curtis '28.

## Physics Lecture To Be Delivered By Joffe Today

Coming to the Institute after lecturing and investigating methods in the Milliken Laboratory in Pasadena and the Michelson Laboratory in Chicago, Professor A. Joffe will lecture today and tomorrow on "The Elastic Properties and the Strength of Crystals" and "The Passage of Electricity through Crystals."

Professor Joffe is a native of Russia and for twenty years has been the outstanding physicist of that country. At present he is traveling in Europe and the United States, visiting and lecturing at various institutes of pure and applied science in order to study their methods of research and teaching.

The Physical Laboratory in Leningrad has recently been completely equipped by the Soviet Government, and scientific activities during the last two years have been greatly increased. After returning to Russia, Professor (Continued on Page 4)

## ARTHUR WHITING PRESENTS FIRST CONCERT OF SERIES TOMORROW IN ROOM 10-250

**Northeastern In  
Hard Victory At  
Huntington Gym**

**Technology Five Loses Lead in  
Last Three Minutes—Capt.  
Forrester Stars**

Before a large gathering of Northeastern rooters in the Huntington Avenue gym, the Northeastern quintet overcame a one point lead in the last three minutes of play, came to the fore and defeated the Cardinal and Gray basketball team by a close score of 25-20.

Captain Bill Forrester was again the guiding star of the Cardinal and Gray team, his fast and accurate casting accounting for no less than twelve points toward the Technology cause. Estes, Mock, Hinck and Myers played hard basketball throughout the encounter but were quite unfortunate in dropping the ball through the net. Kobera, pivot man for the Back Bay contingent, was the high scorer for his team, duplicating Forrester's work with four floor goals and as many from the free throw mark.

### Northeastern Scores First

Northeastern drew first blood and after a couple minutes of play Captain Renker of Northeastern scored the first point of the game by a pretty shot from side court. Captain Forrester responded for Technology with a nice two pointer from quarter court. All during the first half the lead constantly changed hands first on one side and then on the other, and when the whistle blew at the end of the first half Northeastern was on top by a score of 13-10.

The second half was more closely contested than the first. Although the play all around was clean, there was a great deal of fouling, due to the eagerness of the individual players. Raffone of Northeastern and Myers of Technology were banished from the game by the personal foul route. Three minutes before the close of the game Estes looped in a two pointer and Hinck followed with a foul shot which gave Technology a lead of one point. Then Northeastern opened an attack which appeared like a bolt of thunder (Continued on Page 4)

## LARGE CROWD HEARS CONCERT IN LOWELL

**Complete Program is Present-  
ed To Audience of 400**

Seventy members of the Musical Clubs made the trip to Lowell last Friday evening where they gave a concert which, in the opinion of the Club's management, was the most successful one which has been given so far this year. The trip to Lowell was made in four large Gray Line Busses and took considerable time because of poor road conditions.

All of the regular numbers of the program were given and the audience proved to be the most enthusiastic one to which the concert has been given. A large number of girls from the Roger's Hall School in Lowell attended in a body increasing the attendance to over 400 persons. It was hoped that the Musical Clubs would give a concert this year at Roger's Hall, but it was found impossible to make arrangements for the affair.

Three numbers of the Glee Clubs, "Lamp in the West," "In the Time of Roses," and "Old Man Noah" were well received. The popular numbers presented by the Techonians were accompanied by a specialty dancing act given by C. E. Richheimer '28. Because of the success of this act the Banjo Club has engaged Richheimer to accompany their numbers at future concerts.

On page 4 of this issue is printed the list of Technology fraternities in the order of their scholastic standing, both for last term and for the period beginning in 1921 and ending last term.

## BOSTON MUSICIAN WILL LECTURE ON MUSICAL HISTORY

**Has Presented Same Kind of  
Concerts At Eastern  
Universities**

### STUDENT BODY INVITED

**Violin and Cello Players to  
Illustrate Lecture With  
Special Music**

Mr. Arthur Whiting, well known Boston musician, will present the first of a series of three lecture-concerts in room 10-250 tomorrow evening at 8:15 o'clock. The student body and faculty are invited to attend, the concert being intended to supplement the regular General Studies.

Assisting Mr. Whiting will be Mr. Wolfe Wolfinsohn and Mr. Emmeran Soeber, who will play the violin and violoncello, respectively. Mr. Whiting is to lecture on different periods in musical history, his talks being illustrated by different selections by the above artists and himself. There will be violin solos, a duet by violoncello and piano, piano solos, and a violin, cello and piano trio.

For a number of years Mr. Whiting has presented a series of 18 lecture-concerts at Yale, Harvard and Princeton, and it is from these series that the Technology concert has been chosen. This program, with two others to come March 9 and March 30, is being presented through the co-operation of Mr. Whiting with the Corporation of the Institute, which felt that there is a need here for such a series.

Below is an outline of the program, showing the different periods illustrated by special selections:

- Violin  
Porpora, 1686-1766—Sonata, G major.  
Grave Sostenuto—Allegro  
Lento—Allegretto  
Violoncello and Pianoforte  
Beethoven, 1770-1827—Sonata, C major  
Andante—Vivace—Andante—Allegro  
Pianoforte  
Schumann, 1810-1887  
Des Abends, D flat major  
Romance, F sharp major  
Novelette, D major  
Violin, Violoncello and Pianoforte  
Cesar Franck, 1822-1890—Trio, F sharp minor  
Andante  
Allegro molto  
Allegro maestoso

## PROM SIGNUP DATES FIXED BY COMMITTEE

**Opportunity For All Classes  
To Obtain Tickets  
For Hop**

Arrangements have been completed with Mal Hallett and his orchestra to furnish the music at the 1927 Junior Prom which will be held at the Copley-Plaza Hotel.

The committee in charge has announced that signups for the Prom will be taken on March 2 for members of the Junior Class. The rest of the undergraduates will be given an opportunity to sign up on dates immediately following this. Members of the Senior class will have March 3, the Sophomore March 4, and others desiring to attend will sign up March 5.

## CALENDAR

- Monday, February 15  
4:00—Joffe Physics Lecture, room 4-231.  
Tuesday, February 16  
4:00—Joffe Physics Lecture, room 4-231.  
6:00—T. C. A. Dinner meeting, Faculty room, Walker.  
8:00—Math Club meeting, West Lounge, Walker.  
8:15—Whiting Concert, room 10-250.  
Wednesday, February 17  
3:00—Varsity debating practice room 2-190.  
5:00—Prom Committee Meeting, Walker Committee Room.  
7:00—Alpha Chi Sigma Smoker, Walker Faculty Room.



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## THE LOCAL MYTHOLOGY

A LARGE number of Technology men are characterized by two attitudes. They hold, in the first place, that they are attending the world's only impeccable engineering school. The fact that Technology is a great school serves as an excuse for them to bloat their own importance and to create delusions of self-grandeur. In the second place, they have an attitude that the Institute is a place entirely different from any other spot in the world, that as a college it is subject to none of the human laws that other colleges are subject to. From this belief, springs a whole basket-full of excuses. If the track team does not win or the musical clubs have a rotten season, the reason that is immediately assigned is that of our institutional eccentricity. If one publication is dull and others are duller they are both excused and tolerated because Technology is different. As Technology activities, they cannot be expected to make good—how often is that sentiment expressed weekly by meek and resigned Technology men? How often is this weak dodge and satisfying sophistry spilled in undergraduate conversation?

These attitudes have done no inconsiderable harm to our undergraduate life. Combining as they do a sort of passive snobbishness with a streak of weak apology they fuse into a personal compound that is at once obnoxious and weakening. The personal snobbishness of a Harvard man is in many respects more acceptable than the local conceit based upon institutional worship. And more acceptable is the academic "arm-waving" and enthusiasm that is the very prevalent local attitude of explaining all our short-comings by the mythology that the tremendous and oppressive amount of hard work here forever prevents well conducted activities and successful athletics.

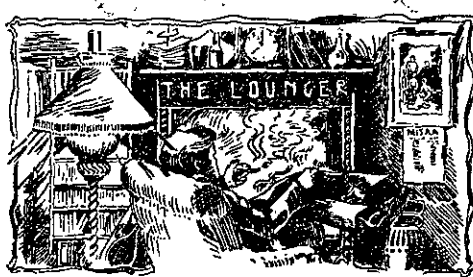
## THE WHITING LECTURES

IN SEARCHING through old volumes of THE TECH of 40 years ago for material for our "Looking Backward" column, our features writer found a statement to the effect that the "gentlemen's indoor meet" was given up because of the lack of gentlemen. Several of our Alumni have told us recently that the average college man has much more regard for the amenities of social intercourse than he used to have, and while we do not take the above mentioned quotation too seriously, it seems to bear out their statement. Whether it is because the colleges have consciously or unconsciously injected a new influence into the curriculum or whether it is because the correspondence schools and Emily Post have been offering "Etiquette in Ten Lessons," there are few college men who cannot tell what is wrong with the picture or why she shouldn't have ordered chicken salad for the third time. There are few men who do not realize the necessity for cultivating social contacts as a part of their education.

But proper behavior, proper dress and the ability to mix with other people are only the external evidences of the educated man. Behind this veneer of acquired social polish must lie something more substantial—a liberal broad knowledge of the fields of art, science, and literature. At Technology, we are trained in the professional applications of applied science, but it is the duty of each of us to acquaint ourselves with the other branches of learning.

Music is such a branch of learning, and we should at least acquire some knowledge of it. The Faculty and the Corporation of the Institute have placed an opportunity to become familiar with the history of music in the series of lectures by Mr. Arthur Whiting, the first of which will be given tomorrow evening. He will discuss Papara, Beethoven, Schumann and Cesar Franck, representative composers of the 18th and 19th centuries. The series should receive the whole-hearted support of the entire student body, both from the fact that they offer an opportunity to become familiar with music, but because of Mr. Whiting's reputation as a lecturer and pianist.

After all, the engineer is a necessary adjunct to the proper carrying on of the world's affairs, but who wants to be an engineer for every one of his 16 waking hours? An interest in one of the arts—say music—will do much to make life more worth while and will make all of us better engineers. The Whiting lectures offer an opportunity to become familiar with a small section of the world of music. You should attend them.



Confetti, Confetti, confetti—at least that's the way the Fraternities Club struck the Lounge last Friday evening as he wandered in to take advantage of an invitation to a much advertised "free party." He first encountered evidence of the stuff as he entered the hall and by the time he had reached the ballroom downstairs he couldn't see the floor for waste paper.

The varicolored bits of paper served their purpose very well. Besides giving the desired motley appearance and stimulating the general attitude of carefree abandon in the crowd, which, to be frank, did not need much more artificial stimulation, the confetti provided a harmless outlet for the pent-up playfulness of many of the "boys," who could be seen running around with great handfuls of it showering each other. Really it doesn't take a great deal to rejuvenate some of us.

The affair was a novelty at any rate. It gave the appearance of a glorified fraternity house dance—only very much glorified in several respects. The Lounge is heartily in favor of bigger and better "free parties" if he may lay aside his lounging dignity to descend to the mercenary.

\* \* \* \* \*

To hear outsiders and particularly people from other colleges, call Technology men "plumbers" used to strike the Lounge as the acme of calumny. In three and half whole years of his elusive pursuit of scientific knowledge, if he had touched a pipe or turned a valve, it was merely to adjust the steam in the radiator. To his innocent mind that epithet of scorn seemed wholly incongruous, absurd, and groundless.

Just consider the implications—a plumber, formerly one who plumbed, whatever that may have been, and now only a seedy individual who is called upon by the housewife to right a wrong in the water system. Doubtless a very worthy occupation, and an indispensable one, but one that he personally regarded as being as far from the distinguished field of scientific inquiry that he is interested in as is the star of Betelgeuse. The graduate of the foremost technical school in the country a plumber,—indescribable satire.

But the Lounge has been humbled and his ideals of engineering have descended to the dust. He must hang his head when that disgusting term is mentioned, for he has come to the awful realization that he is no less than a plumber, or rather no more than a plumber. O cruel Fate, that thou shouldst so deceive one! 'Twas his bachelor's thesis that caused the scales to fall from his eyes. To construct an apparatus, seemingly consisting of nothing but pipes, and valves, and tanks, fell to his lot. Hours of hapless expenditure of energy with angle connections, three-foot wrenches, and hacksaws, has endowed that formerly so cursed appellation with a halo. To be a plumber, a good plumber, that would be bliss. But, as they say, practice gives perfection, and perhaps he, too, shall some day be adept at that excellent and difficult trade. And indications are that it is more lucrative than the jobs most newly-graduated engineers get.

\* \* \* \* \*

The Lounge was startled, to say the least, when he picked up a copy of a scandal sheet from Wellesley College. Not that he was shocked by the scandal, a hasty search proved that all was innocently devoid of even a spicy insinuation. What startled him was the fact that the "Wellesley Patriot" burlesqued the metropolitan yellow-sheets. Really we never thought that anything but the Transcript was tolerated at the college. Someone's been peeking.

## Play Directory

CASTLE SQUARE "Able's Irish Rose."—Nuff said.  
COLONIAL: "Music Box Revue."—A blue ribbon revue.  
COPLEY "John Bull's Other Island."—This theatre's first Shaw play of the season.  
HOLLIS: "The Poor Nut."—With a real track meet.  
MAJESTIC: "The Big Parade."—A first rate screen epic.  
NEW PARK: "Rain."—Performed with much gusto and skill.  
PLYMOUTH: "The Judge's Husband."—A comedy of a peculiar legal situation.  
REPERTORY: "Loyalties."—Last week of this Galsworthy play.  
SHUBERT: Dark.  
TREMONT: "No, No, Nannette."—With catchy music.  
WILBUR: "Is Zat So?"—It's a hilarious comedy.

## Voo Doo Journeys to North Pole and Then to Florida

Although those in charge of Voo Doo insist that this month's issue is practically the first issue this year that has not been dedicated to some special purpose, as was the "Girls' Number," they do not seem to be able to reconcile themselves to letting it go at that, but have titled the issue with the all-inclusive caption, "The Florida-Alaska Number—with points between and beyond" putting special emphasis on the points between and beyond.

Phos evidently does not expect the reader to stay long at either extreme, although some mention is made of the polar regions. It seems that the person supplying the caption was inspired by that cover of Hurkamp's. The cover is indeed an inspiration. It is one of the best we have seen on the Voo Doo and gives quite an insight into conditions in the Peninsula State.

## Valuable Antique Unearthed

One of the more noticeable "points between and beyond" is "Unsolicited Testimonial No. 2"—"Amid the monotonous hum of Tech life, the Voo Doo sounds an invaluable lyric note of mirth. It need fear no comparison with other college comics. I would back it against an open field." This from Penfield Roberts is accompanied by a likeness of the author, which to our mind could be a little better proportioned. The testimonial was written in 1922!

The editorial page this month is unusual in some respects. Whether or not this is due to any change in editorial policy or not we are in no position to say, but still we insist that it is a trifle out of the ordinary. The first edit concerning the sad, nay disastrous results of examinations is apparently harping on an old string for the sake of a little humor attached thereto, but the remaining two expressions of the editorial pen are original. One of them is clever, and the other is unusual.

## Art Work Is Very Good

Another new tendency is noticeable as we glance through the issue. Phosphorous has been encouraging several of his female prodigies to help him brighten the pages of the comic. This encouragement has been effective too, for the drawings by Alice Clevenger and Babe French are quite worthy of mention.

Frankly, we consider the art work,

the main feature of the issue. The agile-fingered Kane throws his jester's wand at the North Pole expeditions. In execution in idea it is worthy of space in the professional magazines. Two full pages by Elmer are, as usual, well done. The first loses somewhat of its full effectiveness because of the literary effort attached thereto, but the second, on page 17, is inspiring of comment with special emphasis on the quaint perching of Phos himself on the porch as he watches the collegiate couple leave for an evening's entertainment.

As we pursue our Florida-Alaska itinerary, we arrive at "Announcements as They Are Not," at which place we emit a gay chuckle. "The Banquet," our next stop, is a rather adroit collection of advertising slogans whipped into a running narrative.

In our survey of the issue, we would have wound up with no bad taste in our mouth had we missed seeing that joke about Caesar proposing. It must have been concocted by Caesar's jester the morning after the night before. We offer 50,000 denarii for the obliteration of this antique. Nevertheless, when the reader arrives at the end of his little itinerary on the Florida-Alaska Special he will have had as pleasant a diversion as the usual college comic could give him. We can surely say that Voo Doo this month is commendably acceptable.

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BEST SEATS



# HOCKEY TEAM GETS EVEN BREAK

## Wrestling and Fencing Are Other Winning Sports

### Hockey Team Wins From Bowdoin In a Close Game But Loses to Bates Men

Result of Bowdoin Game in Doubt Until Final Minutes of Play—Bobcats Win By Very Narrow Margin

By winning from Bowdoin 4-3 and losing to Bates 5-4 the hockey team could do no better than an even break in their trip to Maine over Friday and Saturday. Each game was a close, hard fought match with the games being decided in the final minutes of play. In the Bowdoin game the Engineers just managed to eke out a win while in the Bates game the Bobcats squeezed in the winning tally during the last minutes of play.

After forty-five minutes of the most gruelling kind of hockey, the Technology team just managed to squeeze out a victory by a one point margin from a Bowdoin sextet whose improvement during the last few weeks has been paralleled only by the Cambridge team itself. The score 4-3 gives but a slight indication of how evenly matched the two teams were.

Bowdoin began the scoring in the middle of the first period when Putman and Cutter, pairing up perfectly, took the disk from their own quarter ice, straight down through the Engineer defense where Putman drove a side rebound shot by Bill Richards for the opening goal. For the next few minutes, neither side displayed a marked advantage over the other, but as the period waned, Berkeley and Randall made several threats, keeping the rubber in Bowdoin territory constantly.

**Randall Stars For M. I. T.**

At the opening of the second session, Randall began to split up the opposing defense and soon demonstrated why Boston University team work failed to function in the last B. U.-Engineer game. He seemed to be right in the middle of all Bowdoin combinations and in short made quite a nuisance of himself to the Maine players. After about five minutes of scrimmage, he duplicated Putnam's work of the first period by caging a rebound for the tying score.

Hardly a minute after this, Sam Brooks took the puck from mid-ice scrimmage to lift a high, hard drive at Perry the opposing goalie. With Technology in the lead, Bowdoin began a series of desperate sallies for the remainder of the period. Thayer broke through the defense, Cutter smashed through, Putman did the same but they could not put over the tally that would tie the score.

With the beginning of the third period, the best hockey of the game was shown. Both sides took the offensive and the play became fast and furious. The teams had hardly taken the ice before Cutter, working with Thayer, drove in a difficult shot from the side lines. This put the players on even terms again.

At this time, Bill Berkeley began playing a really hard game. He and Randall teamed up and carried the disk down the ice for about four minutes before he finally whizzed a long quarter ice shot by Perry's legs. Randall duplicated the shot a few minutes later when he snapped on in from almost the identical position.

With but three minutes of the game left, Bowdoin took its last stand. Long shots by the Engineers served to keep the puck far away from a threatening position. The continued attempts of the Maine men would not be denied though and Cole finally slipped one into the cage for the closing marker as the game ended.

**The Summary**

TECHNOLOGY	BOWDOIN
Brooks, Nock, rw	rw Putnam, Forsythe
Cullen, M. I. T., fall	Time 8m. 5s.
125-pounds—Johnson, M. I. T., won over	Pierce, Norwich, fall
135-pounds—Rabinovitz, M. I. T., won over	Evans, Norwich, fall
145-pounds—Harris, M. I. T., won over	Ring, Norwich, fall
155-pounds—Franks, M. I. T., won over	Bardsley, Norwich, decision (two over-time periods)
175-pounds—Burke, M. I. T., won over	Crowley, Norwich, fall
Unlimited—Stabener, M. I. T., won over	Lundstrom, Norwich, fall

### ENGINEER MATMEN IN WIN OVER NORWICH

**The Summary**

115-pounds—Walker, Norwich, won over Cullen, M. I. T., fall. Time 8m. 5s.

125-pounds—Johnson, M. I. T., won over Pierce, Norwich, fall. Time 4m. 15s.

135-pounds—Rabinovitz, M. I. T., won over Evans, Norwich, fall. Time 6m. 25s.

145-pounds—Harris, M. I. T., won over Ring, Norwich, fall. Time 5m. 10s.

155-pounds—Franks, M. I. T., won over Bardsley, Norwich, decision (two over-time periods).

175-pounds—Burke, M. I. T., won over Crowley, Norwich, fall. Time 8m. 45s.

Unlimited—Stabener, M. I. T., won over Lundstrom, Norwich, fall. Time 4m. 25s.

In the second game of their two day road trip, the Technology hockey team went down to defeat at the hands of a formidable Bates aggregation by a 5-4 score. Apparently worn out by the strain of playing two games on successive days, the Engineers just let up enough in the last minute of play to allow the alert Maine wings to break through for the winning tally.

At the start of the match, the Cambridge squad had things all their own way. Weissner and Brooks each drove through a tally before the Lewiston boys could offer any defense. Technology team work in this session was unusually good, not one of the goals having been scored by individual work.

Toward the close of the first period Bates began to grow more confident and just before the whistle blew, Erickson and White had tied up the score by successive drives into the cage. In the second period Technology again took the offense when Randall carried the puck from mid ice to slip one through the goal tend. Play at this time became very warm and scrimmage frequent. Foster, in combination with Lane then again knotted the count when he snapped one from the boards that just eluded Bill Richards.

In the closing session the Engineers forged ahead once more when Randall caged a hard drive from quarter ice. A few minutes later Erickson tied the game once more on a scrimmage play directly in front of the goal. Crandall and Berkeley made three serious threats at the Bates goal, but Willie, who was the cage defender, managed to withstand them. With less than a minute to play, White raced the full length of the ice to make a very pretty individual score that proved to be the winning tally.

Randall and Berkeley starred for Technology, the former being the fastest and best all around player on either team. Erickson and White were the outstanding men on the Maine team, each scoring twice. The game was very cleanly played, only one penalty being imposed during the entire forty-five minutes.

**The Summary**

BATES	M. I. T.
Lane, lw	rw, Brooks (Nock)
Foster, c	rd, Randall
White, rw	lw, Weissner (Freeman)
Proctor, rd	rd, Berkeley
Rickson, rd	ld, Crandall
Willie, g	g, Richards

Score—Bates 5, M. I. T. 4. Goals—Randall, Weissner, Brooks, Erickson, 2, White, 2, Foster. Penalty—Lane 1 min. tripping. Referee—Simpson. Goal umpires—Laliberte and Smith. Time—Three 15-m periods.

## WILLIAMS MERMEN BEAT ENGINEERS AT "Y" TANK

With the result in doubt until the final event of the meet, the relay, the swimming team lost a closely contested and hard fought match with the Williams outfit on Saturday night in the Cambridge Y. M. C. A. As in the Amherst meet the outcome depended on the result of the relay race, the last event of the evening.

At the end of the 220 yard dash the score was 26-28 in favor of the Williams team.

Had Grover not lost out on the turn in his last quarter of the relay race or had he not been two feet to the rear of the Williams man at the start of the race, Technology would have won the relay and likewise the meet. But such are the breaks of the meet.

Grover was individual high man for the meet with a first in the 40 yard free style and also winning the 100 yard dash. The Sophomore luminary was easily one of the outstanding stars of the meet. In the dives Whitey Woods, performing for the first time since his ineligibility has been declared null and void, came up to his usual form, winning first place.

### TECH FOILS TEAM DEFEATS BOWDOIN

Victory By 9-4 Score Makes Up For Defeat of Last Year By Maine Team

Fencing for this first time this season in a regular intercollegiate match the Technology foils team won over Bowdoin last Friday night in Walker Memorial, 9-4. This was a sweet victory for the Engineer team as it made up for the defeat which was handed them last year by the Brunswick men. The epee event was the most closely contested with each team winning two matches, but in the foils, the Tech team cleaned up, winning 7 matches to 2 for Bowdoin.

Joe Levis with three wins, two of them shutout victories, and the other a 5-4 triumph, was easily the star of the meet. Levis, who was captain of last year's team, clearly demonstrated his ability as a foilsman of the first calibre. Hawthorne, number two man in the foils, won his two matches handily, beating Bowdoin's best man, LaFrance, 5-0.

For the number three men in the foils, Capt. Cole used three men, Davier, Spitzil, and Caprone, but Davier was the only member of that trio who could crash through with a win. By staging a strong comeback after he was behind 4-1, his match was one of the feature meets of the night.

In the epee Captain Cole broke even with one victory and one loss. Ivanchich won his match while Levis lost his bout. This meet was the only home meet of the season, the remainder of the schedule consisting mainly of matches on foreign fields.

The Summary	
FOILS	
M. I. T.	BOWDOIN
Levis, 5	Tuttle, 0
Levis, 5	Shurtleff, 0
Levis, 5	LaFrance, 4
Hawthorne, 5	Tuttle, 2
Hawthorne, 5	LaFrance, 0
Ferre, 5	Shurtleff, 2
Spitzil, 4	LaFrance, 5
Davier, 5	Tuttle, 4
Capone, 2	Shurtleff, 5

EPEE	
M. I. T.	BOWDOIN
Cole, 1	Tuttle, 0
Cole, 0	LaFrance, 1
Levis, 0	LaFrance, 1
Ivanchich, 1	Tuttle, 0

Score, TECH 9 Bowdoin 4.

### BOXING TEAM LOSES MATCH TO COLGATE

Saturday afternoon at Hamilton, N. Y., Colgate caused the Technology boxing team's second defeat of the season. Colgate won every bout, winning the meet 6-0. The battle between Conroy of Tech and Stanton of Colgate was the best fight of the afternoon. The first and second rounds found the boxers well matched but in the final round Stanton had a slight edge on Conroy and was awarded a decision.

**The Summary**

115-pound class—Pray, Colgate, defeated Peatfield, Tech, by technical knockout.

125-pound class—Leyden, Colgate, defeated Kwauk, Tech, by judge's decision.

135-pound class—Epting, Colgate, defeated MacLauchlin, Tech, by technical knockout.

145-pound class—Ahoit, Colgate, defeated Keith, Tech, by decision.

155-pound class—Stanton, Colgate, defeated Conroy, Tech, by decision.

175-pound class—Roe, Colgate, defeated Flynn, Tech, by decision.

### Tech Gymnasts Overwhelmed By Annapolis Team

Newcomb Prevents Whitewash With Second Place In Rope Climbing

In the first meet of the season, which was held on Saturday night at Annapolis, the gym team succumbed to a stronger Navy team in the overwhelming score of 51-3. The midshipmen swept all of the events with a practically clean record, the only place which the Engineers were able to take was a second in the rope climbing which was taken by Newcomb.

As in former years the navy men lived up to their established reputation that they are without a peer in intercollegiate gym team competition. As every man is required to go out for some sport at the naval academy, the gym team has several hundred candidates from which to pick and hence their teams are far superior to the average college teams.

One of the best exhibitions of the meet was that given by Stroop on the flying rings. Stroop, who is captain of the team, is all round intercollegiate champion. Zitzowitz with a first and second to his credit was high point man for the meet.

Technology had a bit of hard luck in the meet when Smith slipped on the parallel bars, thereby losing a place; and when Waller ran off the mat and lost a sure second place.

**The Summary**

Tumbling—Won by Zitzowitz, N. A.; Wolverton, N. A., second; Anderson, N. A., third.

Parallel bars—Won by Forest, N. A.; Russell, N. A., second; Brunton, N. A., third.

Flying rings—Won by Stroop, N. A.; Russell, N. A., second; Bruton, N. A., third.

Rope climbing—Won by Waterman, N. A., time 5 2-5 sec.; Newcomb, M. I. T., time, 5 3-5s.; McCormick, N. A., time 7 3-5s.

Horizontal bars—Won by Newhart, N. A.; Russell, N. A., second; Patterson, N. A., third.

Side Horse—Won by Matthews, N. A.; Zitzowitz, N. A., second; Neuhaus, N. A., third.

A practical joke that backfired was the sad fate of two freshmen at the University of Alberta who attempted to stage a fake murder. Convincing color was furnished by firing guns and leaving a trail of red ink from the scene of the atrocity to a clump of bushes. The police arrived with commendable promptitude and went into the matter so seriously that the two boys decided confession was the better part. They appeared in court under the charge of using firearms within the city limits.

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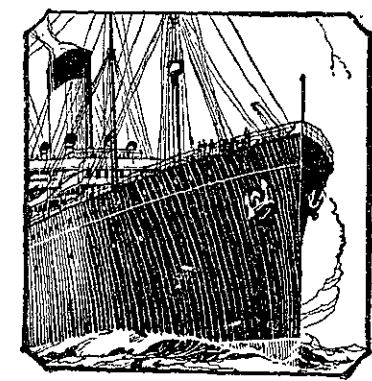
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## SCIENCE LECTURE BY DR. FRANKLIN

Talk Is Illustrated By Many  
Classical Experiments of  
Old Masters

"Every day I thank Heaven that the five hundred thousand college students of the United States do not have scholastic ideals," was the assertion of Professor W. S. Franklin who delivered the popular science lecture yesterday in room 10-250 at 4 o'clock. The lecture was entitled "Small Beginnings in Science and Their Epoch-Making Consequences."

Professor Franklin believes that the world would be the sufferer if students were all scholastically inclined, for none of the great things that youth gives to civilization would then be secured. He does not, however, feel, as do so many others, that the basic quality of youth is freedom of care, but that it is enthusiasm, and that from this enthusiasm great things come.

"You can fool part of the people all of the time, and all the people some of the time," it is said, "but you can't fool these young people any of the time," he said. "Youth will find that science is not, as usually believed, a means for securing new luxuries for the pleasure-mad, joy-riding public, but an opportunity for finding out about the wonderful things of the world." The future of science lies in youth, Dr. Franklin believes.

The lecture was illustrated by several of the classical experiments of Lord Kelvin, Galileo, and others. Much interest was shown by the audience in the projection on the screen of electroplating a piece of lead immersed in lead nitrate solution.

## BOYS' CLUB BEATS FROSH COURT TEAM

Berny Morgan's fighting frosh court team dropped a clean hard battle to the Boston Boys Club five at the Green Street gym, home of the club boys, by a score of 48-31.

Insomuch as the club boys have a clean slate to date, the Cardinal and Gray five went down to a glorious defeat in last Saturday's tussle. The local presented a tough set of plays which, in fact, was a little too much for Berny Morgan's charges to solve. The club boys started the scoring immediately after the opening whistle blew and were never headed.

Hughes of the boys led the scoring for the victors with six floor baskets and three from the foul line for a total of fifteen points. For Technology Norm McClintock took the lions share of the honors with six two-pointers and a single point by the free throw route. Conti took second scoring honors for Technology with five floor goals.

## CIVIL ENGINEERS TO HOLD JOINT MEETING

Bartlett's Ferry Development  
To Be Subject Of Talk

Civil engineers and civil engineering students from the whole of Greater Boston will attend a joint meeting of five professional societies in Chipman Hall, Tremont Temple, Wednesday evening at 7:15. The meeting will be preceded by a buffet supper at six o'clock for which a charge of twenty-five cents will be made. Music will be furnished by the Northeastern University band.

There will be an illustrated talk on "The Bartlett's Ferry Hydroelectric Development" by A. H. Hageman and T. B. Parker '11 of Stone and Webster, Inc. This hydro-electric development is being built on the Chattahoochee River for the Columbus Electric and Power Co. of Columbus, Georgia.

When completed, there will be four generator units in the plant, each developing 15,000 kilowatts, driven by water wheels of 22,000 horse-power apiece, under a head of 112 feet.

The societies co-operating in this joint meeting are: The Boston Society of Civil Engineers, the Harvard Engineering Society, the Northeastern University Section, E. S. C. E., the Tufts Civil Engineering Society, and the M. I. T. Student Chapter of the American Society of Civil Engineers.

## T. C. A. HEADS HOLD MEETING TOMORROW

All members of the T. C. A. Organization, including officers, department directors, division managers and assistant managers, will hold a dinner meeting tomorrow evening at 6 o'clock in the Faculty Dining Room, Walker. Such meetings are usually held twice a year.

In addition to an address given by W. M. Ross, secretary of the association, three minute talks will be given by department directors and division managers. It is expected that these will deal with present and future plans of the different departments.

## A PHYSICS LECTURE BY JOFFE IS TODAY (Continued from Page 1)

Joffé expects to put into effect changes in teaching and research methods modeled upon his observations and studies here and in Europe.

During the Revolution, Professor Joffé underwent hardships both mental and physical and at present he is teaching with the tacit understanding that he, as well as other scientists, take no activity in any opposition to the Soviet Government.

The lectures will be held at 4 o'clock in room 4-231, both today and tomorrow, under the auspices of Department of Physics of the Institute. The meeting is open to all those interested.

## FRATERNITY RATINGS FOR LAST TERM AND STANDING SINCE 1921

1921 TO DATE

1. Tau Delta Phi
2. Sigma Alpha Mu
3. Psi Delta
4. Sigma Omega Psi
5. Delta Psi
6. Phi Beta Delta
7. Zeta Beta Tau
8. Alpha Mu Sigma
9. Sigma Chi
10. Sigma Alpha Epsilon
11. Theta Chi
12. Sigma Nu
13. Phi Kappa Sigma
14. Kappa Eta Kappa
15. Phi Sigma Delta
16. Tau Epsilon Phi
17. Delta Kappa Epsilon
18. Phi Gamma Delta
19. Chi Phi
20. Lambda Chi Alpha
21. Phi Beta Epsilon
22. Delta Upsilon
23. Beta Theta Pi
24. Alpha Tau Omega
25. Kappa Sigma
26. Delta Tau Delta
27. Theta Delta Chi
28. Phi Kappa
29. Phi Mu Delta
30. Phi Sigma Kappa
31. Phi Lambda Alpha
32. Theta Xi
33. Lambda Phi

LAST TERM

1. Tau Delta Phi
2. Phi Sigma Delta
3. Psi Delta
4. Delta Psi
5. Sigma Omega Psi
6. Phi Gamma Delta
7. Alpha Mu Sigma
8. Lambda Chi Alpha
9. Sigma Alpha Mu
10. Theta Chi
11. Sigma Nu
12. Tau Epsilon Phi
13. Phi Sigma Kappa
14. Phi Beta Delta
15. Zeta Beta Tau
16. Sigma Alpha Epsilon
17. Delta Upsilon
18. Beta Theta Pi
19. Delta Kappa Epsilon
20. Kappa Sigma
21. Phi Kappa
22. Theta Xi
23. Sigma Chi
24. Theta Delta Chi
25. Alpha Tau Omega
26. Kappa Eta Kappa
27. Chi Phi
28. Phi Beta Epsilon
29. Phi Lambda Alpha
30. Lambda Phi
31. Delta Tau Delta
32. Phi Mu Delta
33. Phi Kappa Sigma

## CHEMISTS DISCUSS HOW RAYON IS MADE

Artificial silk or "rayon," as it is known to chemists, was discussed at a meeting of the North Eastern Section of the American Chemical Society in room 10-250 on Friday evening.

Dr. G. J. Esselen, Jr., Director of Research and Vice-President of Skinner, Sherman and Esselen and Company in his paper on "Rayon—Its Chemistry, Manufacture and Uses" gave a description of the four main processes of the manufacture of artificial silk. He showed several slides of the apparatus for the manufacture of this product and also a working model of a process for spinning it.

A paper on "The Dyeing of Rayon," which was to have been delivered by Professor L. A. Olney, head of the Lowell, Massachusetts, Textile School, was read by Professor Howarth, Dr. Olney being sick. The development of the dyeing of rayon was discussed in this paper. Fabrics dyed two different colors in the same dye bath were shown.

## ANDOVER GRAPPLERS TROUNCE YEARLINGS

The summary:

One hundred and fifteen-pound class—Yamaguchi, Andover, threw Ross, M. I. T. freshmen; time, 5 m. 30s.

One hundred and twenty-five pound class—Marshall, Andover, decision over Dickinson, M. I. T. freshmen; time, advantage 8m. 45s.

One hundred and thirty-five-pound class—Allen, Andover, decision over Mardeirosian, M. I. T. freshmen; time, three overtime, advantage 1m.

One hundred and forty-seven-pound class—Capra, Andover, threw Burke, M. I. T. freshmen; time, 5 m. 46s.

One hundred and fifty-eight-pound class—Reiter, Andover, decision over Bacon, M. I. T. freshmen; time, advantage, 5m. 30s.

One hundred and seventy-five-pound class—Parnell, Andover, decision over Bacon, M. I. T. freshmen; time, advantage 6m. 30s.

## NORTHEASTERN EDGES OUT M. I. T. TEAM (Continued from Page 1)

from a clear sky. Janssen and Simms each tallied from mid-court to give Northeastern the lead and the game Janssen scored on a follow up shot and Simms made good on a foul shot just before the final whistle blew, to give Northeastern a 25-20 win.

The Summary

NORTHEASTERN	M. I. T.
Simms (Janssen), lf	rg, Hinck
Renker, rf	lg, Mock
Kobera, c	c, Meyer (Biehle)
Roberts, lg	rf, Estes
Raffone (Record), rg	lf, Forrester
Score—Northeastern 25, Technology 20.	
Goals from floor—Kobera 4, Renker 2,	
Janssen 2, Simms, Raffone, Forrester 4,	
Hinck, Estes. Goals on free tries—Kobera 4, Simms, Forrester 4, Mock, Hinck,	
Meyer, Biehle. Referee—George Hoyt.	
Umpire—Heywood. Timer—O'Neill. Time	
1-20m. Halves. Attendance 1000.	

Since the authorities of Northwestern University have decreed against marriage under threat of expulsion, the women students have got up a "Contract of Impermanent Love" which defines and establishes petting parties and college crushes as a recognized form of relationship between young men and women. These contracts are legal.

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## Notices and Announcements

### OFFICIAL

#### G-3, INTERNATIONAL LAW

Students of courses VI and XV, members of the ROTC and Seniors who take this course by special arrangement on account of conflicts should leave their registration cards at Professor Tryon's office, room 3-107.

#### DEPARTMENT OF ARCHITECTURE

The exhibition of work of former students will continue until February 20, every day from nine in the morning to nine at night. All interested are invited.

#### ENGLISH E21

First class is next Wednesday at four in room 2-278. The time of the other class will be announced at that time. There will be a quiz at the first exercise on chapters I and II of "An Introduction to Politics."

### UNDERGRADUATE

#### BOXING

Coach Rawson will be at the hangar every night this week.

#### T. C. A.

The Organization Dinner of the T. C. A. will be held tomorrow evening in the Faculty Dining Room, Walker, at 6 o'clock.

#### T. C. A. EMPLOYMENT BUREAU

To enable this Bureau to function efficiently it will be necessary for all men with application cards on file to put their new schedules thereon. It will be difficult to give assistance to any man whose second term schedule is unlisted.

### TEXT BOOKS

Students having saleable text books on hand and wishing to dispose of the same at two-thirds their original cost may leave them for sale at the T. C. A. Book Exchange.

#### CHEMICAL SOCIETY TRIP

The Chemical Society trip to the Revere Sugar Refinery which was to have been yesterday afternoon is postponed until Friday, February 19, on account of the snow.

#### MATH CLUB

Mr. W. Cheney will speak on "Synthetic Projective Geometry" tomorrow evening at 8:00 in the West Lounge, Walker. All interested are invited.

#### FRESHMAN CREW MANAGERS

More candidates are needed for freshman crew manager. Please report at the boat house any afternoon before Wednesday.

#### SENIOR ELECTIONS

Nominations for the Senior Week Committee and Class Day Marshall are due in the Information Office on February 20, before 1 o'clock. The elections for these offices will be held Wednesday February 24.

#### WANDERING GREEKS

Wandering Greeks may obtain tickets for the Interfraternity Conference Tea Dance by applying to John R. Norris, S. A. E. house, 484 Beacon Street, Boston.

#### VOO DOO

The February issue of Voo Doo will be on sale in the Institute corridors tomorrow.

## The Massachusetts Institute of Technology Cambridge, Massachusetts

THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY offers Courses, each of four years' duration, in Civil, Mechanical and Electrical Engineering; Naval Architecture and Marine Engineering; Mining Engineering and Metallurgy and Geology; Architecture and Architectural Engineering; Chemistry, Chemical Engineering and Electrochemical Engineering; Biology and Public Health and Sanitary and Municipal Engineering; Mathematics, Physics, General Science and General Engineering; and in Engineering Administration. These courses lead to the degree of Bachelor of Science.

To be admitted to the first year class, applicants must have attained the age of seventeen years, and must satisfactorily fulfill entrance requirements in Algebra, Plane and Solid Geometry, Trigonometry, Physics, Chemistry, English, History and French or German and two units of elective subjects. Examinations are required in all subjects except Chemistry, History and the electives, the requirements for which are fulfilled by the presentation of satisfactory certificates. A division of these entrance subjects between different examination periods is permitted.

Entrance examinations are held at the Institute in September. In June, applicants will be examined by the College Entrance Examination Board in Boston, New York, Philadelphia, Chicago and many other cities in America and Europe. A circular stating times and places is issued in advance by the College Board.

Graduates of colleges and scientific schools of collegiate grade, and in general all applicants presenting satisfactory certificates showing work done at another college corresponding to at least one year's work at the Institute, are admitted, without examination, to such advanced standing as is warranted by their previous training.

Graduate courses leading to the degrees of Master of Science, Master in Architecture, Doctor of Philosophy, Doctor of Science and Doctor of Public Health are also offered. Special Research Laboratories of Physical Chemistry, Organic Chemistry, Applied Chemistry and Science have been established.

Correspondence should be addressed to the Institute of Technology.

#### PUBLICATIONS

Catalogue; Bulletins of General Information, Summer Session, and Graduate Study and Research; and the Report of the President and Treasurer. Any of the above named publications will be mailed free on application.

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